

Frequently Asked Questions About...

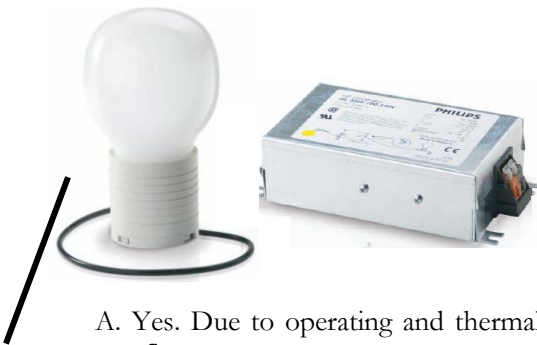
QL Induction Lighting

Q. What is the QL and how does induction lighting work?

A. The QL lamp systems use a revolutionary technology of light generation that combines the basic principles of induction and gas discharge in an A-lamp design. Void of electrodes, this new technology delivers a proven unprecedented 100,000 hours of high quality white light with 90% survival rate. QL has been introduced worldwide since 1994.

Q. What are the components of the QL system?

A. The system is comprised of three components – the generator, the power coupler and the vessel (lamp).



Q. Why QL lighting?

A. QL induction lighting offers an amazing 100,000 hours life making it virtually maintenance free. It offers crisp white light with 80+ CRI and a choice of 3000K, 4000K or 5000K color temperatures. QL offers high reliability and instant on and off.

Q. Does QL need a dedicated fixture?

A. Yes. Due to operating and thermal requirements the system needs to be properly installed in a suitable fixture.

Q. Who makes a QL fixture?

A. **PowerLux®** Corporation is familiar with the QL system and offers fixtures designed around the QL with proven success since 1999.

Q. Can running a lamp interfere with computers or any other electronic device?

A. No. The QL system complies with FCC rules with noninterference under normal circumstances.

Q. Will the QL lighting system interfere with telecommunication equipment?

A. No. The FCC standards are in place to protect navigation and radio communications. They system will not interfere with portable or cellular phones.

Q. Is the light output of a QL lamp affected by low temperature? High temperature?

A. QL's amalgam fill technology and the heat conduction rod in the center create stable light output over a wide range of ambient temperatures, maintaining at least 85% of nominal lumens from -30°F to 130°F (for an enclosed fixture with heatsink). QL systems can start at temperatures as low as -40°F.

PowerLux® Corporation

U.S. Manufacturer of Sustainable Energy Efficient Lighting Products
Induction Lighting Proven Success Since 1999

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PowerLux® Products Have Stood the Test of Time!

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Q. Does operating position affect output?

A. No. The universal operating position does not affect the performance of the QL system.

Q. What is the color shift of the QL system?

A. The color shift is very small over life. In new installations the color may appear “pink” until the system stabilizes. The light will change to a normal white color within a few minutes.

Q. Can the QL system be used for a “flashing beacon”?

A. The QL system is recommended for use in long burning applications. Constant on and off switching reduces the system life significantly. However, it is suitable to be used with motion sensors.

Q. Is QL vibration-resistant?

A. Yes. The fact that QL has no electrodes makes it more reliable in high-vibration and gusty applications. QL has proven its durability in street lighting, bridges, tunnels and signage applications.

Q. How far can the HF generator be remotely mounted from the power coupler / discharge vessel assembly?

A. The length of the coaxial cable connecting them (15”). Because the cable forms part of the oscillating circuit of the HF generator, the length of the cable cannot be modified.



Q. At the end of life, must all components be replaced?

A. All three components are separately replaceable; however, QL is almost always supplied as a three-component system, even for relamping. End of life usually means the generator must be replaced and, at the time, it is usually recommended to replace the bulb, as phosphor degeneration at 100,000 hours lowers lumen output 35% to 40%.

Q. Why is QL worth more?

A. QL offers five to ten times the life of HID systems for only two to three times the cost of the HID lamp and ballast. And the QL system is warranted for ten years. In most cases, the payback in maintenance savings will more than offset the additional cost of the initial system.

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